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Proposed Maximum Residue Limit PMRL2011-14

Pyraclostrobin

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has concluded that the addition of new uses on sunflowers and condiment type mustard seeds to the product label of Headline EC Fungicide, containing technical grade pyraclostrobin, is acceptable. The specific uses approved in Canada are detailed on the label of Headline EC Fungicide, *Pest Control Products Act* Registration Number 27322.

The evaluation of this pyraclostrobin application indicated that the end-use product has merit and value and the human health and environmental risks associated with the new uses are acceptable. Details regarding the registration can be found in the corresponding Evaluation Report that is available in the Pesticides and Pest Management section of Health Canada's website, under Public Registry, Pesticide Product Information Database.[1]

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRLs for pyraclostrobin is being conducted via this document (see Next Steps, the last section of this document).

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

The proposed MRLs for pyraclostrobin in Canada in or on food, to replace or be added to those MRLs already legally established, are as follows.

Table 1 Proposed Maximum Residue Limits for Pyraclostrobin.

Common Name	Residue Definition	MRL (ppm)	Food Commodity
Pyraclostrobin	methyl [2-[[[1-(4-chlorophenyl)-1*H*-pyrazol-3-yl]oxy]methyl] phenyl]methoxycarbamate including the metabolite [2-[[[1-(4-chlorophenyl)-1*H*-pyrazol-3-yl]oxy]methyl]phenyl]carbamate	0.45	Sunflower (Crop Subgroup 20B*), mustard seeds (condiment type)

* The 0.3 ppm MRL currently established for sunflower seeds is proposed for revision to reflect the 0.45 ppm crop subgroup MRL.

[1] The relevant report can be accessed by selecting the Applications/Amendment/Historical tab and opening the Evaluation Report found under Application Number 2008-5940.

MRLs are proposed for each food commodity included in the sunflower crop subgroup in accordance with Appendix I.

A complete list of all MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

International Situation and Trade Implications

MRLs may vary from one country to another for a number of reasons, including differences in pesticide use patterns and the locations of the field crop trials used to generate residue chemistry data. Table 2 compares the MRLs proposed for pyraclostrobin in Canada with American tolerances and Codex Alimentarius MRLs.[2] American tolerances are listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide. A listing of all established Codex MRLs is available on the Codex Alimentarius Pesticide Residues in Food website.

Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs

Food Commodity	Canadian MRL (ppm)	American Tolerance (ppm)	Codex MRL (ppm)
Sunflower seeds	0.45	0.45	0.3
Evening primrose seeds, jojoba seeds, niger seed seeds, safflower seeds, tallowwood seeds, tea oil plant seeds	0.45	0.45	No MRL established
Mustard seeds (condiment type)	0.45	0.45 (Mustard, seed)	No MRL established
Calendula seeds	0.45	No tolerance established	No MRL established

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for pyraclostrobin up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs for pyraclostrobin and posting a corresponding Established Maximum Residue Limit document in the Pesticides and Pest Management section of Health Canada's website.

[2] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

Appendix I

Crop Groups: Numbers and Definitions

Crop Group		Crop Subgroup		Food Commodities Included in the Crop Subgroup
No.	**Name**	**No.**	**Name**	
20	Oilseeds	20B	Sunflower	Calendula seeds Evening primrose seeds Jojoba seeds Niger seed seeds Safflower seeds Sunflower seeds Tallowwood seeds Tea oil plant seeds